

INTERCOAT PU

Two-component Polyurethane Intermediate coat

NATURE AND USE

“Intercoat PU” is a polyurethane product for application as intermediate coat in initial and maintenance coating systems of furniture, carpentry and in the yachting market for the coating of the boat bottom.

TECHNICAL DATA



Type of binder:	Polyester
Specific Gravity A+B	Kg/l 1,48 ± 0,05 @ +20°C
Solids by Weight:	% 72 ± 2 % A+B
Solids by Volume:	% 54 ± 2 % A+B
Mixing Ratio by Weight:	80 parts of Base / 20 parts of Hardener
Mixing Ratio by Volume:	100 parts of Base / 40 parts of Hardener
**Pot life @ +20°C:	≥ 6 hours
Colour/appearance of the applied film:	White / Satin

SUBSTRATE PREPARATION

Any substrate:

Degrease the substrate thoroughly and remove any contaminant. Roughen the substrate and remove all dust. Verify that the substrates to coat are always free from humidity and pre-treated with a suitable primer.

Substrate previously coated (with two-component system):

Remove by mechanical abrasion the old flaking paints.

PRODUCT PREPARATION

Homogenize separately the Base and the Hardener in its original supply cans. Mix Base and Hardener in the right proportions stirring the mix obtained for 5 minutes to reach the complete homogenization. Let it rest for 5 minutes before application

** The “POT LIFE” time of two components products (time within which it is possible to apply the paint mix of Base and Hardener), is exponentially dropped by the increase of product temperature.

Note: The use of a mix of paint (Base + Hardener) over the POT LIFE time is irreparably compromising all the properties of the coating film.**

APPLICATION DETAILS

Application method:	Standard spray airless with minimum compression ratio 45:1 Conventional spray Roller, brush
Thinning:	10-25% Spray application (PUR11) 10-25% brush or Roller application (SINT71) different thinning % can be necessary according to the absorption of the substrate and the thickness required
Thinner:	PUR11 or SINT71
Cleaning:	Thinner PUR11

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Company with quality management system UNI EN ISO 9001:2015 certified

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Hardening @ +25°C:	Touch dry 4 - 6 hours Sandpapering after 16 - 24 hours Full-cured in 10 days
Recoat interval @ +20°C:	min. 1 / max. 8 hours
Application Ambient Temperature:	Between +5°C and +35°C
Suggested Temperature of the product:	+20 ÷ +30°C
Substrate Temperature:	+5 / +40°C always at least +3/5°C above dew point
Relative Humidity:	≤ 80%
Suggested thickness:	sqm/l dry film thickness ~ 100 µm (DFT) in 2-3 coats
Theoretical spreading rate:	10,8 per coat at a dry film thickness of 50 µm (DFT)

HANDLING STORAGE AND SAFETY PRECAUTIONS

Warning: All handling and/or use activities of the material and its components must strictly refer to the given indications in the Safety Data Sheet (Base and Hardener). The following advices are stated by common sense and in good faith, they are uncompleted and do not substitute the content of each specific safety data sheet of the product.

Handling: The material must be used only by professional and qualified applicators suitably trained. All the operations involving the use of the product, must be carried on in compliance with all the relevant National Health, Safety & Environmental standards and regulations.

Precautions: When the product is used in enclosed areas (rooms, containers, vessels, etc.) it is imperative to use adequate means providing the necessary air circulation, to be granted during the whole application and coating polymerization time, also to avoid conditions open to potential explosion danger. All electrical installations must always be grounded. Where explosion hazards exist, the workmen should be required to use only non-ferrous tools and wear conductive non-sparking shoes and clothing. Explosion and flame-proof equipment too are required.

Storage and transport: Keep far from flames, sparks or heat sources. Do not leave exposed under direct solar action. Store under shelter in original unopened packaging, in cool, dry and ventilated areas, at temperatures between +5°C and +35°C.

Shelf life:

Base : 12 months in the suggested storage conditions (original unopened packaging)
Hardener: 6 months in the suggested storage conditions (original unopened packaging)

N.B.: Product for professional use only
and exclusively for the uses not regulated under CE Directive 2004/42/CE.



Refer to Material Safety Data Sheet

Access catalogues, data sheets and company presentations

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